

from the eliminated non-printing pixel row and [transfer] added [it to] as a replacement for an “off” pixel in one of said two adjacent pixel rows to help avoid losing image details.

19. (Amended) A printing system comprising:

one or more print cartridges having a given print resolution;

a carriage for mounting the one or more print cartridges;

motor means for scanning the carriage across a print medium; and

a writing system for downscaling raster data from a high resolution $A = B$ bitmap to a lower resolution asymmetrical bitmap where A is not equal to B by completely eliminating certain linear sequences of printed pixel rows [pixels] such as selected non-adjacent pixel rows resulting in a modified bitmap with a reduced number of remaining preserved pixel rows to be printed, wherein said writing system also performs a logical operation comparing “on” pixels in the eliminated non-printing rows with “off” pixels in selected adjacent remaining preserved rows in order to preserve and transfer certain “on” pixels from an eliminated non-printing row to a remaining preserved row for printing by the cartridges on the print medium.

Remarks

Claims 9 and 11 have been canceled without prejudice.

The independent claims have been amended to incorporate language and recitations more closely conforming to the specification, drawings and original claims. Such amendments clarify the important feature of having preserved rows with some “on” pixels transferred from non-printing eliminated rows. Accordingly the rejections based on Section 112 are respectfully traversed, and favorable reconsideration is earnestly solicited.

Applicants respectfully request that the anticipation and obviousness rejections based on the newly cited Klassen '714 patent be withdrawn. As with the earlier cited Klassen '300 patent, this new reference does not disclose a downscaled bitmat having entire non-printing pixel rows eliminated. Rather the Klassen '714 reference considers eliminating only certain individual pixels in adjacent rows for edge smoothing (see Fig. 5 and its related description), and does not disclose the unique features recited in the rejected independent and dependent claims. So this basis for rejection is respectfully traversed, and favorable reconsideration is requested.

The obviousness rejection of dependent claims 5 and 6 based on Klassen '714 and Kanematsu is no longer justified in view of the foregoing arguments and amendments, and favorable reconsideration is requested. Moreover the Kanematsu reference does not disclose downscaling to the 600 x 1200 dpi pixel grid, in contrast to the presently claimed invention.

In view of all the foregoing, it is now believed that all of the remaining claims 1-8, 10, and 12-20 are now in condition for allowance, notice of which is earnestly solicited.

Respectfully submitted,



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Enclosure: CLAIMS AFTER AMENDMENTS